**ORDINANCE NUMBER 10-10554**

**AN ORDINANCE AMENDING CHAPTER 8, ARTICLE I, DIVISION 3 OF THE SALINA CODE ADOPTING THE 2006 UNIFORM PLUMBING CODE WITH LOCAL AMENDMENTS.**

**BE IT ORDAINED** by the Governing Body of the City of Salina, Kansas:

**Section 1.** That Division 3 of Chapter 8, Article I, Division 3 of the Salina Code is hereby amended as follows:

## "DIVISION 3. ADOPTION OF PLUMBING

**Sec. 8-71. Uniform Plumbing Code adopted.**
There is hereby adopted, by reference, by the city for the purpose of providing minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, quality of materials, location, operation, alteration, repair, maintenance, of plumbing and drainage systems within the city and certain equipment specifically regulated therein, that certain plumbing code known as the Uniform Plumbing Code, recommended and published by the International Association of Plumbing and Mechanical Officials, being particularly the 2006 edition not including appendices thereto, except as amended in this article of the Salina Code, of which not fewer than three (3) copies have been, and are now filed in the office of the city clerk and the same are hereby incorporated as fully as if set out at length herein and the provisions thereof shall be controlling in the construction and maintenance of all buildings and structures therein contained within the corporate limits of the city.

**Sec. 8-72. Appeals.**
Appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of this code shall be heard and decided by *The Building Advisory Board*. See Article II, Chapter 8 of Salina Municipal Code.

**Sec. 8-73. Amendment to Section 102.1of the Uniform Plumbing Code.**
*[Section 102.1 is hereby amended to read as follows:]*
**102.1 Authority Having Jurisdiction.** The authority having jurisdiction shall be the City of Salina and the building official.

**Sec. 8-74. Amendment to Section 103.1.2 of the Uniform Plumbing Code.**
*[Section 103.1.2 and all of its subsections are hereby amended to read as follows:]*
**103.1.2 Exempt Work.** A permit shall not be required for the following:

**103.1.2.1** The stopping of leaks in drains, soil, waste or vent pipe, provided, however, that should any drainpipe, soil, waste or vent pipe become defective and it becomes necessary to remove and replace more than 48" of the same with new material, the same shall be considered as new work and a permit shall be procured and inspection made as provided in this Code.

**103.1.2.2** (1) The clearing of stoppages, including the installation of new exterior cleanouts when required for cleaning and the removal and reinstallation of water closets or:

(2) the repairing of leaks in pipes, valves or fixtures, provided such repairs do not involve or require the rearrangement of valves, pipes, or fixtures.

**103.1.2.3** No permit shall be required to replace faucets, dishwashers, garbage disposals, a fixture with a like fixture, gas flex connectors or water heater vent connectors.

Exemption from the permit requirements of this Code shall not be deemed to grant authorization for any work to be done in violation of the provisions of the Code or any other laws or ordinances of this jurisdiction including but not limited to those in Chapter 8 Article III for licensing.

**Sec. 8-75. Amendment to Section 103.4.1 of the Uniform Plumbing Code.**
*[Section 103.4.1 is hereby amended to read as follows:]*

**103.4.1 Permit Fees.** The fee for each permit shall be as set forth in the fee schedule adopted pursuant to section 2-2 of the Salina Code of Ordinances.

**Sec. 8-76. Amendment to Section 103.4.2 of the Uniform Plumbing Code.**
*[Section 103.4.2 is hereby amended to read as follows:]*
**103.4.2 Plan Review Fees.** No fees shall be charged for plan review.

**Sec. 8-77. Amendment to Section 316.1.3 of the Uniform Plumbing Code.**
*[Section 316.1.3 is hereby amended to read as follows:]*
**316.1.3 Soldered Joints.** Joints in copper tubing shall be made by appropriate use of approved copper or copper alloy fittings. Surfaces to be joined by soldering shall be cleaned bright by manual or mechanical means. The joints shall be properly fluxed with an approved type flux, and made up with approved solder. Flux is not required to be water-soluble for water supply piping. All solder and fluxes shall be manufactured to approved standards. Solders and fluxes with a lead content which exceeds two-tenths (0.20) of one (1) percent are prohibited in piping systems used to convey potable water.

**Sec. 8-78. Amendment to Section 317.0 of the Uniform Plumbing Code.**
*[Section 317.0 is hereby amended to read as follows:]*
**317.0 Increasers and Reducers.** Where different sizes of pipes or pipes and fittings are to be connected, the proper size increasers or reducers or reducing fittings shall be used between the two sizes. Bushings are approved fittings for this purpose in vent piping and as increasers in drainage piping. Brass or cast iron body cleanouts shall not be used as a reducer or adapter from cast iron drainage pipe to iron pipe size (IPS) pipe.

## Sec. 8-78.5. Amendment to Section 407.2 of the Uniform Plumbing Code.

*[Section 407.2 is hereby amended to read as follows:]*
**407.2 Joints.** Where a fixture comes in contact with the wall or floor, the joint between the fixture and the wall or floor shall be made watertight.

**Exception:** Bases of water closets installed in buildings governed by the International Residential Code need not be sealed to the floor.

**Sec. 8-79. Amendment to Section 411.2 of the Uniform Plumbing Code.**
*[Section 411.2 all of its subsections is hereby amended to read as follows:]*
**411.2 Location of Floor Drains.** Floor drains shall be installed in the following areas:

**411.2.1** Toilet rooms containing two (2) or more water closets or a combination of one (1) water closet and one (1) urinal, except in a dwelling unit.

**411.2.2** Commercial kitchens.

**411.2.3** Laundry rooms in commercial buildings and common laundry facilities in multi-family dwelling buildings when indirect waste or trough type drains are being used.

**Sec. 8-80. Amendment to Section 412.0 of the Uniform Plumbing Code.**
*[Section 412.0 Minimum Number of Required Fixtures* and all of its subsections are hereby deleted in their entirety.

**Sec. 8-80.1. Amendment to Section 413.1 of the Uniform Plumbing Code.**
*[Section 413.1 is hereby amended to read as follows:]*
**413.1 Limitation of Hot Water Temperature for Public Lavatories.**
Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F. The water heater thermostat shall not be considered a control for meeting this provision.

**Exception:** The water heater thermostat may be used to meet this requirement when a permanent temperature-sensing gauge is installed in the discharge piping immediately adjacent to the water heater and a permanent sign is affixed to the water heater stating that the temperature of the water in the water heater shall not exceed 120 degrees.

**Sec. 8-80.2. Amendment to Section 414.5 of the Uniform Plumbing Code.**
*[Section 414. is hereby amended to read as follows:]*
**414.5 Limitation of Hot Water in Bathtubs.** The maximum hot water temperature discharging from the bathtub filler shall be 120°F. The water heater thermostat shall not be considered a control for meeting this provision.

**Sec. 8-81. Amendment to Section 505.1 of the Uniform Plumbing Code.**
*[Section 505.1 is hereby amended to read as follows except that subsections 505.1.1 and 505.1.2 shall remain unchanged:]*
**505.1 Location.** Water heater installations in bedrooms and bathrooms shall comply with one of the following:

(1) Fuel-burning water heaters may be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a listed, gasketed door assembly and a listed self-closing device. The self-closing door assembly shall meet the requirements of Section 505.1.1. The door assembly shall be installed with a threshold and bottom door seal and shall meet the requirements of Section 505.1.2. All combustion air for such installations shall be obtained from the outdoors in accordance with Section 507.4. The closet shall be for the exclusive use of the water heater.

**Exception:** Existing fuel-burning water heaters that are located in bathrooms or closets accessible from a bathroom need not be enclosed nor provided with a gasketed door when they are replaced unless the only access to such spaces is through a bedroom.

(2) Water heater shall be of the direct vent type.

**Sec. 8-82. Amendment to Section 508.2 of the Uniform Plumbing Code.**
*[Section 508.2 is hereby amended to read as follows:]*
**508.2 Access and Working Space**

**508.2.1** Every water heater installation shall be accessible for inspection, repair, or replacement. An unobstructed solidly floored working space not less than thirty 30 inches in depth and width and 72 inches high shall be provided immediately in front of and centered at the firebox access opening.

**Exceptions:**

1. Such space need not be furnished for water heaters installed above a lay-in ceiling when removable ceiling panels are immediately adjacent to the firebox access opening.
2. For replacement water heaters the unobstructed depth need only be 24".
   A door opening into such space shall not be considered as an obstruction. The appliance space shall be provided with an opening or doorway of sufficient size to remove the water heater. Such access shall be continuous by means of an opening or door, and solidly floored passageway not less than two 2 feet in width and large enough to permit removal of the water heater, but not less than thirty 30 inches in height. Passageways less than 72" high shall be limited to 20' in length.

**508.2.2** A lighting fixture shall be provided at or near water heater locations. The lighting fixture shall be controlled by at least one switch located adjacent to the usual point of entry into the space.

**Exceptions:**

1. These requirements shall not apply to the replacement of existing water heaters.
2. These requirements shall not apply to water heaters located above lay-in ceilings when ceiling panels immediately adjacent to the appliance can be removed.

**Sec. 8-83. Amendment to Section 510.6.3.1 of the Uniform Plumbing Code.**
*[Section 510.6.3.1 is hereby amended to read as follows:]*
**510.6.3.1 Category I Appliances**. The sizing of natural draft venting systems serving one or more listed appliances equipped with a draft hood or appliances listed for use with Type B gas vent, installed in a single story of a building, shall be in accordance with one of the following methods.

(1) The provisions of this chapter.

(2) Vents serving a single, draft-hood equipped new-location appliance, fan-assisted combustion system appliances, or combinations of fan-assisted combustion system and draft-hood-equipped appliances shall be sized in accordance with section 511.0 of this chapter or other approved engineering methods.
(3) For sizing an individual gas vent for a single, draft-hood equipped replacement appliance, the effective area of the vent connector and the gas vent shall be not less than the area of the appliance draft hood outlet or greater than seven times the draft hood outlet area. Such vents and their connectors shall be limited to a combined maximum change in direction of 180 degrees. Vents requiring greater change in direction shall be sized in accordance with section 511.0 of this chapter.
(4) For sizing an existing gas vent connected to two appliances with draft hoods, the effective area of the vent shall be not less than the area of the larger draft hood outlet plus 50% of the area of the smaller draft hood outlet or greater than seven times the smaller draft hood outlet area. Vents connectors for such systems shall be sized in accordance with sections 510.10.3.3 and 510.10.9.2 of this chapter. Each vent connector shall be limited to a combined maximum change in direction of 180 degrees. Vents connectors requiring greater change in direction shall be sized in accordance with section 511.0 of this chapter.
(5) Approved engineering practices.

**Sec. 8-84. Amendment to Section 603.3.3 of the Uniform Plumbing Code.**
*[Section 603.3.3 is hereby amended to read as follows:]*
**603.3.3** The premise owner responsible person shall have the backflow prevention assembly tested by a certified backflow assembly tester at the time of installation, repair, or relocation and tested and overhauled on the schedule listed in Chapter 41 Division 4 Cross Connections of the City of Salina Code of Ordinances. The periodic testing shall be performed in accordance with the procedures referenced in Table 14-1 by a tester qualified in accordance with those standards.

**Sec. 8-85. Amendment to Section 603.4.6.1 of the Uniform Plumbing Code.**
*[Section 603.4.6.1 is hereby amended to read as follows:]*
**603.4.6.1** Potable water supplies systems having no pumps or connections for pumping equipment, and no chemical injection or provision for chemical injection, shall be protected from backflow by one of the following devices:

1. Atmospheric vacuum breaker
2. Pressure vacuum breaker
3. Reduced pressure backflow preventer
4. Double check valve assembly

**Sec. 8-86. Amendment to Section 603.4.6.4 of the Uniform Plumbing Code.**
*[Section 603.4.6.4 is hereby amended to read as follows:]*
**603.4.6.4** Where ~~s~~systems which include a chemical injector or any provisions for chemical injection designed to add chemicals to the potable water system shall be prohibited.

**Sec. 8-87. Amendment to Section 603.4.23 of the Uniform Plumbing Code.**
*[Section 603.4.23 is hereby added and reads as follows:]*
***603.4.23*** Combination stop-and-waste valves or cocks shall not be installed underground.

**Exception:** Stop and waste valves may be installed in a pit approved by the City Department of Utilities.

**Sec. 8-88. Amendment to Section 608.5 of the Uniform Plumbing Code.**
*[Section 608.5 is hereby amended to read as follows:]*
**608.5** Relief valves located inside a building shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, or listed relief valve drain tube with fittings which will not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and

shall extend from the valve to an indirect waste receptor or to a nonabsorbent floor that provides an unobstructed flow to a floor drain.

**Exception:** Relief drains serving relief valves, that are part of replacement equipment, shall be allowed to terminate above the floor serving the equipment when drainage piping is not readily accessible. The discharge pipe shall be installed in a manner to minimize personal injury or property damage and so that draining water is readily observable by the building occupants.

The end of the relief drain shall extend to not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the flood level of the indirect waste receptor or the floor and shall be pointed downward. Drain tubes shall not terminate in a building's crawl space. No part of such drain pipe shall be trapped or subject to freezing. The terminal end of the drainpipe shall not be threaded. Indirect waste receptors serving relief drains may drain to the outside of the building. Drain lines serving such receptors shall be a minimum 1¼" pipe with the terminal end screened with ¼" mesh. The ends of such drains shall extend to not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the ground and shall be pointed downward.

**Sec. 8-89. Amendment to Section 609.9.5 of the Uniform Plumbing Code.**

*[Section 609.9.5 is hereby added to read as follows:]*

**609.9.5** All new or repaired private water mains 4" and larger in diameter shall be disinfected prior to use as required by the City of Salina Department of Utilities. For the purpose of this section, water main shall mean any water piping which connects a building or buildings to the public water supply for the purpose of furnishing water for domestic, process or fire suppression purposes.

**Sec. 8-90. Amendment to Section 609.10 of the Uniform Plumbing Code.**

*[Section 609.10 is hereby amended to read as follows:]*

**609.10 Water Hammer.** All building water supplies systems in which quick acting valves are installed shall be provided with devices to absorb the hammer caused by high pressures resulting from the quick closing of these valves. Quick closing valves are defined as valves operated by an electrical solenoid, or flushometer valves. Manually operated ball valves, gate valves or wheel valves are not considered quick closing valves. These pressure absorbing devices shall be approved mechanical devices. Water pressure-absorbing devices shall be installed as close as possible to quick acting valves. Water pressure shock arresters or pressure absorbing devices are not required for residential structures with separate water services.

**609.10.1 Mechanical Devices.** When listed mechanical devices are used, the manufacturers' specifications as to location and method of installation shall be followed.

**Sec. 8-91. Amendment to Section 610.7 of the Uniform Plumbing Code.**

*[Section 610.7 is hereby amended to read as follows:]*

**610.7** On any proposed water piping installation sized using Table 6-5, the following conditions shall be determined.

1) Total number of fixture units as determined from Table 6-4, Equivalent Fixture Units, for the fixtures to be installed. For the purpose of calculating building supply pipe sizing, fixture units for lawn sprinkling systems need not be included.
2) Developed length of supply pipe from meter to most remote outlet.
3) Difference in elevation between the meter of other source of supply and the highest fixture or outlet.
4) Pressure in the street main or other source of supply at the locality where the installation is to be made.
5) In localities where there is a fluctuation of pressure in the main throughout the day, the water piping system shall be designed on the basis of the minimum pressure available.

**Sec. 8-91.1. Amendment to Section 704.3 of the Uniform Plumbing Code.**

*[Section 704.3 is hereby amended to read as follows:]*

**704.3** Pot sinks, scullery sinks, dishwashing sinks, silverware sinks, commercial dishwashing machines, silverware-washing machines, and other similar fixtures shall be connected indirectly to the drainage system.

**Sec. 8-92. Amendment to Section 707.4 of the Uniform Plumbing Code.**
*[Section 707.4 is hereby amended to read as follows:]*
**707.4** Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal and each run of piping, which is more than one hundred (100) feet (30480 mm) in total developed length, shall be provided with a cleanout for each one hundred (100) feet (30480 mm), or fraction thereof, in length of such piping.

**Exceptions:**

1. Cleanouts may be omitted on a horizontal drain line less than five (5) feet (1524 mm) in length unless such line is serving sinks or urinals.
2. Cleanouts may be omitted on any horizontal drainage pipe installed on a slope of seventy-two (72) degrees (1.26 rad) or less from the vertical angle (angle of one-fifth (1/5) bend).
3. Excepting the building drain and its horizontal branches, a cleanout shall not be required on any pipe or piping which is above the floor level of the lowest floor of the building.
4. An approved type of two-way cleanout fitting, installed inside the building wall near the connection between the building drain and building sewer or installed outside of a building at the lower end of a building drain and extended to grade, may be substituted for an upper terminal cleanout.
5. A cleanout may be omitted on a 3" or 4" horizontal drain line where a clean out would normally be required when that location is accessible from a water closet flange.
6. A cleanout may be omitted on an 1½" or 2" horizontal drain line where a clean out would normally be required when that location is accessible from a point where a slip-joint trap arm connects directly to a tee in a vertical drain line that connects with the horizontal drain.

**Sec. 8-93. Amendment to Section 709.0 of the Uniform Plumbing Code.**
*[Section 709.0 is hereby amended to read as follows:]*
**709.0 Gravity Drainage Required.** Wherever practicable, all plumbing fixtures shall be drained to the public sewer or private sewage disposal system by gravity. Where it is determined by the Authority Having Jurisdiction that gravity drainage for an alteration is impractical, drainage piping serving such plumbing fixtures shall meet the requirements of Section 710.0.

**Exception:** Upon prior approval by the Authority Having Jurisdiction, low flow fixtures such as but not limited to bar sinks, hand sinks, and indirect waste receptors for drink stations may drain into an approved, self-contained water removal system.

**Sec. 8-94. Amendment to Section 710.3.3 of the Uniform Plumbing Code.**
*[Section 710.3.3 is hereby amended to read as follows:]*
**710.3.3.** When serving any area with an occupant load of greater than 15 as determined by the Building Code in any public use occupancy, the ejector or pump shall be capable of passing a two 2 inches diameter solid ball, and the discharge piping of each ejector or pump shall have a backwater valve and gate valve, and be a minimum of three (3) inches in diameter.

**Sec. 8-95. Amendment to Section 710.9 of the Uniform Plumbing Code.**
*[Section 710.9 is hereby amended to read as follows:]*
**710.9** All such pumps and receiving tanks shall be automatically discharged and, when serving any area with an occupant load of greater than 15 as determined by the Building Code in any public use occupancy, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. The pumps shall have an audio and visual alarm, readily accessible, that signals pump failure or an overload condition. The lowest inlet shall have the minimum clearance of two (2) inches from the high water or "starting" level of the sump.

**Sec. 8-96. Amendment to Section 712.1 of the Uniform Plumbing Code.**
*[Section 712.1 is hereby amended to read as follows:]*
**712.1 Media.** The piping of the plumbing, drainage, and venting systems shall be tested with water or air. The Administrative Authority may require the removal of any cleanouts, etc., to ascertain if the pressure has reached all parts of the system. After the plumbing fixtures have been set and their traps filled with water, they shall be submitted to a final test.

**Exception:** No testing will be required for plastic DWV systems.

**Sec. 8-97. Amendment to Section 807.4 of the Uniform Plumbing Code.**
Section 807.4 is hereby deleted in its entirety.

**Sec. 8-98. Amendment to Section 905.4 of the Uniform Plumbing Code.**
*[Section 905.4 is hereby amended to read as follows:]*
**905.4** All vent pipes, except as provided in section 905.4.0, shall extend undiminished in size above the roof, or shall be reconnected with a soil or waste vent of proper size except as provided in this section.

**905.4.0 Air Admittance Valves**

**905.4.1 Where permitted**. In remodel construction where venting above the roof is impractical, individual and branch vents shall be permitted to terminate with a connection to an air admittance valve when first approved by the Administrative Authority. The air admittance valve shall only vent fixtures that are on the same floor level.

**905.4.2 General.** Individual and branch type air admittance valves shall be listed and shall conform to ASSE 1051.

**905.4.3 Installation.** The valves shall be installed in accordance with the requirements of this section and manufacturer's installation instructions. Air admittance valves shall be installed after the DWV testing required by Section 712.2 or 712.3 has been performed.

**905.4.4 Location**. The air admittance valve shall be located the minimum of six (6) inches above the highest flood level rim of the fixture being served. The air admittance valve shall be located within the maximum developed length permitted for the vent. The air admittance valve shall be installed a minimum of six (6) inches above insulation materials.

**905.4.5 Access and Ventilation.** Access shall be provided to all air admittance valves. The valve shall be located within a ventilated space that allows air to enter the valve.

**905.4.6 Size.** The air admittance valve shall be rated for the size of the vent to which the valve is connected.

**Sec. 8-99. Amendment to Section 908.1 of the Uniform Plumbing Code.**
*[Section 908. is hereby amended to read as follows:]*
**908.1** Wet venting is limited to vertical drainage piping receiving the discharge from the trap arm of one (1) and two (2) fixture unit fixtures that also serves as a vent for not to exceed four (4) fixtures. All wet vented fixtures shall be within the same story; provided, further, that fixtures with a continuous vent discharging into a wet vent shall be within the same story as the wet vented fixtures. No wet vent shall exceed six (6) feet in developed vertical length.

**Exception:** One horizontal offset may be permitted in a wet vented section. The length of the offset is limited to the lengths of trap arms as required in table 10-1.

**Sec. 8-100. Amendment of Section 1101.1 of the Uniform Plumbing Code.**
*[Section 1101.1 is hereby amended to read as follows:]*
**1101.1** Where Required. All roofs, paved areas, yards, courts, and courtyards shall be drained away from adjoining property and into a separate storm sewer system, or into a combined sewer system where a separate storm sewer system is not available, or to some other place of disposal satisfactory to the Authority Having Jurisdiction such as but not limited to public streets and/or public drainage easements. In the case of one- and two-family dwellings, storm water may be discharged on flat areas such as streets or lawns so long as the storm water shall flow away from the building and shall not create a nuisance.

**Sec. 8-101. Amendment to Section 1101.5.1 of the Uniform Plumbing Code.**
*[Section 1101.5.1 is hereby amended to read as follows:]*
**1101.5.1** Subsoil drains shall be provided around the perimeter of buildings having basements, cellars, or crawl spaces or floors below grade when required by the International Building Code, The International Residential Code, or the Authority Having Jurisdiction. Such subsoil drains may be positioned inside or outside of the footing, shall be of perforated or open-jointed approved drain tile or pipe not less than three (3)

inches (80 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved three-quarter (3/4) inch (19.1 mm) crushed recycled glass aggregate, or other approved porous material with a minimum of four (4) inches (102 mm) surrounding the pipe on all sides. Filter media shall be provided for exterior subsoil piping.

**Sec. 8-102. Amendment to Section 1101.7 of the Uniform Plumbing Code.**
*[Section 1101.is hereby amended to read as follows:]*
**1101.7 Areaway Drains.** All open subsurface space adjacent to a building serving as an entrance to the basement or cellar of a building shall be provided with a drain or drains. Such areaway drains shall be two (2) inches (50 mm) minimum diameter for areaways not exceeding one hundred (100) square feet (9.3 m2) in area, and shall be discharged in the manner provided for subsoil drains not serving continuously flowing springs or ground water (see Sections 1101.5.2 and 1101.5.3). Areaways in excess of one hundred (100) square feet (9.3 m2) shall not drain into subsoil. Areaway drains for areaways exceeding one hundred (100) square feet (9.3 m2) shall be sized according to Table 11-2.

**Sec. 8-103. Amendment to Section 1101.8 of the Uniform Plumbing Code.**
*[Section 1101. is hereby amended to read as follows:]*
**1101.8 Window Areaway Drains.** Window areaways not exceeding ten (10) square feet (0.9 m2) in area may discharge to the subsoil drains through a two (2) inch (50 mm) pipe. If subsoil drains are not required, such areaways may be drained by any method approved by the Authority Having Jurisdiction. Consideration shall be given to such other methods for other factors such as curbs, grading, overhangs, covers or any combination of these factors that would limit the amount of water that could infiltrate the areaway. However, window areaways exceeding ten (10) square feet (0.9 m2) in area shall be handled in the manner provided for entrance areaways (see Section 1101.7).

**Sec. 8-104. Amendment to Section 1101.9 of the Uniform Plumbing Code.**
Section 1101.9 is hereby deleted in its entirety.

**Sec. 8-105. Amendment to Section 1101.10 of the Uniform Plumbing Code.**
Section 1101.10 is hereby deleted in its entirety.

**Sec. 8-106. Amendment to Section 1101.11.1 of the Uniform Plumbing Code.**
*[Section 1101.11.1 is hereby amended to read as follows:]*
**1101.11.1 Primary Roof Drainage**. Roof areas of a building shall be drained by roof drains or gutters. The location and sizing of drains and gutters shall be coordinated with the structural design and pitch of the roof. Unless otherwise required by the Authority Having Jurisdiction, roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage shall be sized based on a storm of sixty (60) minutes duration and 100-year return period.

**Exception:** Gutters are not required for structures subject to the International Residential Code.

**Sec. 8-107. Amendment to Section 1109.2 of the Uniform Plumbing Code.**
*[Section 1109.2 of is hereby amended to read as follows:]*
**1109.2 Methods of Testing Storm Drainage Systems.** Except for approved ABS or PVC systems, outside leaders and perforated or open-jointed drain tile, the piping of storm drain systems shall be tested upon completion of the rough piping installation by water or air, and proved tight. The Authority Having Jurisdiction may require the removal of any cleanout plugs to ascertain whether the pressure has reached all parts of the system. Either of the following test methods shall be used:

**Sec. 8-108. Reserved**

**Sec. 8-109. Amendment to Section 1211.2.5 of the Uniform Plumbing Code.**
*[Section 1211.2.5 is hereby amended to read as follows:]*

**1211.2.5 Prohibited Locations.** Gas piping inside any building shall not be installed in or through a circulating air duct, clothes chute, chimney or gas vent, ventilating duct, dumbwaiter, or elevator shaft. This provision shall not apply to ducts used to provide combustion and ventilation air in accordance with Section 507.0 or to above-ceiling spaces as covered in 1211.2.4.1. Gas pipe with inlet pressures less than 2 pounds located in air moving plenums must be tested at 60 PSI for 30 minutes. Gas pipe with inlet pressures of 2 pounds or more located in air moving plenums must be welded.

**Sec. 8-110. Amendment to Section 1212. 1 of the Uniform Plumbing Code.**

*[Section 1212.1 is hereby amended to read as follows:]*

1212.1 Connecting Gas Equipment. Gas utilization equipment shall be connected to the building piping in compliance with 1212.4 and 1212.5 by one of the following:

(1) Rigid metallic pipe and fittings.

(2) Semirigid metallic tubing and metallic fittings. Aluminum alloy tubing shall not be used in exterior locations.

(3) Listed flexible gas connectors in compliance with ANSI Z21.24, *Standard for Connectors for Gas Appliances*. The connectors shall be used in accordance with the terms of their listing, shall be completely in the same room as the equipment and except for wall furnaces and gas fireplace, no part of the connector shall be permitted in the equipment housing.

Exception: Existing approved flexible gas connectors listed to earlier standards may be reused subject to the following conditions;

a. The connector shall be in a serviceable working condition with no cracks
b. Connectors shall have an overall length of not to exceed three (3) feet (914 mm) except a listed range or dryer connector, which may not exceed six (6) feet (1829 mm).
c. All connectors shall be of such size as to provide the total demand of the connected appliance based on the applicable Tables 12-42 or 12-43.

(4) CSST where installed in accordance with the manufacturer's instructions.

(5) Listed non-metallic gas hose connectors in accordance with 1212.2.

(6) Gas-fired food service (commercial cooking) equipment listed for use with casters or otherwise subject to movement for cleaning, and other large and heavy gas utilization equipment that can be moved, shall be connected in accordance with the connector manufacturer's installation instructions using a listed appliance connector complying with ANSI Z21.69, *Standard for Connectors for Movable Gas Appliances.*

(7) In 1212.1(2), (3), and (5), the connector or tubing shall be installed so as to be protected against physical and thermal damage. Aluminum alloy tubing and connectors shall be coated to protect against external corrosion where they are in contact with masonry, plaster, or insulation or are subject to repeated wettings by such liquids as water (except rain water), detergents, or sewage.

TABLE 12-42
Capacities of Listed Metal Appliance Connectors for Use with Gas Pressures
Less Than an 8 Inch Water Column

| | | Capacities for Various Lengths, in Thousands Btu/h (Based on Pressure Drop of 0.2 in. Water Column Natural Gas of 1100 Btu/cu. ft.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Semi-rigid Connector O.D. Inches | Flexible Connector Nominal I.D., Inches | 1 foot | 1 ½ feet | 2 feet | 2 ½ feet | 3 feet | 4 feet | 5 feet | 6 feet |
| | | All Gas Appliances | | | | | Ranges and Dryers Only | | |
| 3/8 | ¼ | 28 | 23 | 20 | 19 | 17 | | | |
| ½ | 3/8 | 66 | 54 | 47 | 44 | 41 | | | |
| 5/8 | ½ | 134 | 110 | 95 | 88 | 82 | 72 | 63 | 57 |
| - | ¾ | 285 | 233 | 202 | 188 | 174 | | | |
| - | 1 | 567 | 467 | 405 | 378 | 353 | | | |

Table 12-42 Notes:
1. Flexible connector listings are based on the nominal internal diameter.
2. Semi-rigid connector listings are based on the outside diameter.
3. Gas connectors are certified by the testing agency as complete assemblies, including the fittings and vales. Capacities shown are based on the use of fittings and valves supplied with the connector.
4. Capacities for LPG are 1.6 times the natural gas capacities shown.

TABLE 12-43
Capacities of Listed Metal Appliance Connectors for Use with Gas Pressures
Not Less Than an 8 Inch Water Column

| | | Capacities for Various Lengths, in Thousands Btu/h (Based on Pressure Drop of 0.2 in. Water Column Natural Gas of 1100 Btu/cu. ft.) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Semi-rigid Connector O.D. Inches | Flexible Connector Nominal I.D., Inches | 1 foot | 1 ½ feet | 2 feet | 2 ½ feet | 3 feet | 4 feet | 5 feet | 6 feet |
| | | All Gas Appliances | | | | | Ranges and Dryers Only | | |
| 3/8 | ¼ | 40 | 33 | 29 | 27 | 25 | | | |
| ½ | 3/8 | 93 | 76 | 66 | 62 | 58 | | | |
| 5/8 | ½ | 189 | 155 | 134 | 125 | 116 | 101 | 90 | 80 |
| - | ¾ | 404 | 330 | 287 | 266 | 244 | | | |
| - | 1 | 803 | 661 | 573 | 534 | 500 | | | |

Table 12-43 Notes:
1. Flexible connector listings are based on the nominal internal diameter.
2. Semi-rigid connector listings are based on the outside diameter.
3. Gas connectors are certified by the testing agency as complete assemblies, including the fittings and vales. Capacities shown are based on the use of fittings and valves supplied with the connector.
4. Capacities for LPG are 1.6 times the natural gas capacities shown.

**Sec. 8-111. Amendment to Section 1212.4 of the Uniform Plumbing Code.**
*[Section 1212.4 is hereby amended to read as follows:]*
**1212.4 Equipment Shutoff Valves and Connections.** Gas utilization equipment connected to a piping system shall have an accessible, approved manual shutoff valve with a nondisplaceable valve member, or a listed gas convenience outlet, installed in the same room as the appliance, within 6 ft (1.8 m) of the equipment it serves. Where a connector is used, the valve shall be installed upstream of the connector. A union or flanged connection shall be provided downstream from this valve to permit removal of controls. Shutoff valves serving decorative gas appliances shall be permitted to be installed in fireplaces if listed for such use.
**Exception:** Shutoff valves for vented decorative appliances and decorative appliances for installation in vented fireplaces shall not be prohibited from being installed in an area remote from the appliance where such valves are provided with ready access. Such valves shall be permanently identified and shall serve no other equipment.

**Sec. 8-112. Amendment to Section 1214.3 of the Uniform Plumbing Code.**
*[Section 1214.3 and all of its subsections is hereby amended to read as follows:]*
**1214.3 Test Pressure.**
**1214.3.1** Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss due to leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than two times the test pressure.

**1214.3.2** The test pressure to be used shall be no less than 10 psi (68.9kPa) for systems designed for less than 2 pounds inlet pressure, nor less than 60 pounds (413kPa) for welded pipe or systems designed for 2 or more pounds of inlet pressure.
**1214.3.3** Test duration shall be not less than 30 minutes for welded pipe or systems designed for 2 or more pounds of inlet pressure or for a system designed for less than 2 pounds of inlet pressure, the test duration shall be a minimum of 15 minutes. The duration of the test shall not be required to exceed 24 hours.

**Sec. 8-113. Amendment to Section 1312.1 of the Uniform Plumbing Code.**
*[Section 1312.1 is hereby amended to read as follows:]*
**1312.1** Before any medical gas or medical vacuum system is installed or altered in any hospital, medical facility, or clinic, duplicate plans and specifications shall be filed with the Authority Having Jurisdiction. Such plans shall be sealed by a mechanical engineer licensed in the State of Kansas, and shall bear a notation that the plans have been designed in conformance to Chapter 13 of the 2006 Uniform Plumbing Code. Approval of the plans shall be obtained prior to issuance of any permit by the Authority Having Jurisdiction.

**Sec. 8-114. Amendment of Section 1327.3 of the Uniform Plumbing Code.**
Section 1327.3 is hereby deleted in its entirety.

**Sec. 8-115. Amendment of Section 1327.4 of the Uniform Plumbing Code.**
Section 1327.4 is hereby deleted in its entirety.

**Sec. 8-116. Amendment of Section 1327.5 of the Uniform Plumbing Code.**
*[Section 1327.5 is hereby amended to read as follows:]*
**1327.5 Testing.** Testing shall be conducted in the presence of an independent certification agency.

**Sec. 8-117. Amendment of Section 1327.6 of the Uniform Plumbing Code.**
*[Section 1327. is hereby amended to read as follows:]*
**1327.6 Retesting.** If the independent certification agency finds that the work does not pass tests, necessary corrections shall be made and the work shall then be resubmitted for test or inspection.

**Sec. 8-118. Amendment to Section 1327.13 of the Uniform Plumbing Code.**
*[Section 1327.13 is hereby amended to read as follows:]*
**1327.13 Approval.** Upon satisfactory completion of all tests and certification of the medical gas and medical vacuum systems by the independent certification agency and submittal of the approval certifications to the Authority Having Jurisdiction, a certificate of approval shall be issued by the Authority Having Jurisdiction to the permittee."

**Section 2.** That the existing Division 3 of Chapter 8, Article I of the Salina Code is hereby repealed.

**Section 3.** That this ordinance shall be in full force and effect from and after its adoption and 90 days after publication once in the official city newspaper.

Introduced: July 12, 2010
Passed: July 19, 2010

Aaron G. Peck, Mayor

[SEAL]
ATTEST:

Lieu Ann Elsey, CMC, City Clerk